

**Notice of Allowability**

Application No.

10/716,046

Applicant(s)

CORRADO ET AL.

Examiner

Malcolm D. Cribbs

Art Unit

2115

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communication filed on 06/15/07.
2. ☒ The allowed claim(s) is/are 1-29.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 06/22/07.

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided  
5 by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Caroline M. Fleming on 06/22/07.

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### IN THE CLAIMS

#### List of Claims:

8. (Currently Amended) The method of claim 1, wherein:  
the device comprises a host processor ~~capable of~~ **for** executing a driver ~~capable~~  
15 ~~of~~ **for** accessing the data while the device is operating in the another mode of operation.
9. (Currently Amended) An apparatus comprising:  
circuitry ~~capable of~~ **for** storing in a RAID system, if a change in configuration of  
the RAID system occurs during ~~one~~ a suspend mode of operation of a device coupled to  
20 the RAID system, data indicative, at least in part, of resulting configuration of the RAID  
system resulting after the change, the device having a relatively lower power  
consumption rate while the device is operating in the suspend mode of operation

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compared to a relatively higher power consumption rate while the device is operating in another mode of operation.

10. (Currently Amended) The apparatus of claim 9, wherein:

5       the circuitry is also ~~capable of~~ for, in response, at least in part, to a request to operate in the another mode of operation, storing, at least in part, based at least in part upon the data, other data indicative at least in part of the resulting configuration of the RAID system; and

10       the circuitry is also ~~capable of~~ for executing, based at least in part upon the other data, one or more operations involving, at least in part, the RAID system.

12. (Currently Amended) The apparatus of claim 9, wherein:

15       the circuitry is also ~~capable of~~ for, while the device is operating in the suspend mode of operation, preventing execution of one or more pending operations involving, at least in part, the RAID system.

15. (Currently Amended) The apparatus of claim 14, wherein:

20       the circuitry is also ~~capable of~~ for, in response, at least in part, to a request to operate in the suspend mode of operation, storing information indicating, at least in part, status of one or more processes being executed, at least in part, by the device.

16. (Currently Amended) The apparatus of claim 9, wherein:

the RAID system comprises a redundant array of inexpensive disks; and

the device comprises a host processor ~~capable of~~ for executing a driver ~~capable of~~ for accessing the data while the device is operating in the another mode of operation.

5 24. (Currently Amended) The article of claim 17, wherein:

the device comprises a host processor ~~capable of~~ for executing a driver ~~capable of~~ for accessing the data while the device is operating in the another mode of operation.

25. (Currently Amended) A system comprising:

10 a circuit board comprising read only memory (ROM) to store instructions; and  
circuitry ~~capable of~~ for executing the instructions, execution of the instructions by  
the circuitry resulting in:

if a change in configuration of a RAID system occurs during a suspend mode of  
operation of a device coupled to the RAID system, storing, in the RAID system, data  
15 indicative, at least in part, of resulting configuration of the RAID system resulting after  
the change, the device having a relatively lower power consumption rate while the  
device is operating in the suspend mode of operation compared to a relatively higher  
power consumption rate while the device is operating in another mode of operation.

20 26. The system of claim 25, wherein:

the circuitry comprises a processor; and

a circuit board also comprises one or more integrated circuits coupled to the processor and ~~capable of~~ for being coupled to the storage.

Pursuant to MPEP 606.01, the title has been changed to read:

5 -- SYSTEM FOR STORING DATA WITHIN A RAID SYSTEM INDICATING A CHANGE  
IN CONFIGURATION DURING A SUSPEND MODE OF A DEVICE CONNECTED TO  
THE RAID SYSTEM--

### ***Conclusion***

10 Any inquiry concerning this communication or earlier communications from the  
examiner should be directed to Malcolm D. Cribbs whose telephone number is 571-272-  
5689. The examiner can normally be reached on M-F 8AM-430PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's  
supervisor, Thomas Lee can be reached on 571-272-3667. The fax phone number for  
15 the organization where this application or proceeding is assigned is 571-273-8300.

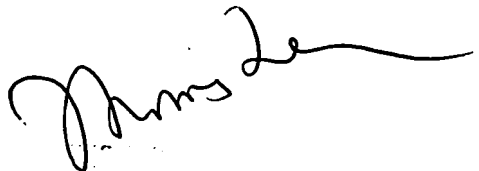
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

- 5 For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Malcolm D Cribbs  
Examiner  
Art Unit 2115

June 21, 2007  
MC



Stamp: SEARCHED, SERIALIZED, INDEXED, FILED